

ASBESTOS



FEBRUARY 1952



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Ehret Magnesia Manufacturing Co.
VALLEY FORGE, PENNSYLVANIA

"ASBESTOS"

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MONTHLY SINCE THAT DATE

BY SECRETARIAL SERVICE

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TWO GREAT AMERICANS

February contains the birthdays of two great Americans.

George Washington, known as the father of his country, was born on February 22nd, 1732. One of our most popular legends (altho historians now discredit the story) tells of his exploit with the cherry tree and hatchet, and his confession of guilt prefaced with his "I cannot tell a lie."

Abraham Lincoln was born on February 12th, 1809 and was known as "Honest Abe."

Both of these men are credited with many acts of courage, helpfulness and wise leadership. Altho widely variant as to environment and upbringing we think it is not a coincidence that honesty was one of their chief attributes, and that it forms one of the pillars of true Americanism.

Both of these men brought to our nation at critical periods their wise guidance as head of our government—Washington in the very beginning of the United States of America—Lincoln at a time when that same United States was threatened with dissolution. Their policies first formed and later cemented the foundation of the American tradition.

Tell our youth the hundreds of stories and legends which have been gathered together about these two men and perhaps they will realize what is meant by the American atmosphere of honesty, fairness, justice and all the other qualities which help to make and keep America great.

• • •

The death of King George VI of England was a shock to everyone. Our deepest sympathy to the British people.

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REPORTS ON ASSOCIATION ACTIVITIES

1. Asbestos-Cement Products Association

Technical advancement and increased emphasis of sales promotion highlighted an unusually full program of activities carried on in 1951 by the Asbestos-Cement Products Association.

One of the Association's most important steps was the establishment of a technical division. Recognizing the necessity for additional research on the qualities of raw materials and on methods of testing, the division was set up under the direction of Ralph L. Barbehenn, with an Association laboratory at Plainfield, N. J. Here continuing research will be conducted which will supplement the work being done by the member companies in their own laboratories. This program is one of the activities of the Association's technical committee, with Clyde Hutchcroft as the chairman.

A new industry color motion picture, "According to Plan", was presented for its first showing by Reginald L. Johnson, chairman of the publicity committee, at the Association meeting at the Homestead in October. This film depicts the growth of the asbestos siding business, and illustrates the effective use of these products in homes thruout the country. It will be available for dealer and applicator training meetings and for showing to interested groups.

A completely new "Products Guide" was published during the year. In addition to describing the various asbestos-cement materials, it includes sections on proper methods of application.

Continuing publicity and product promotion thru the trade press, public press, magazines, lectures, and films stressed the advantages of asbestos building materials. Association representatives participated in the training schools for dealer employees sponsored by the National Retail Lumber Dealers Association, and the program of cooperation with the schools of architecture was continued.

The sales engineering committee, under Charles R. Frederick, worked on further refinements of product

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ASPHALT AND ASBESTOS BUILDING MATERIALS

specifications, and their recommendations will be presented to Committee C-17 of American Society for Testing Materials for consideration by it in revising the Society's specifications.

A new committee on traffic was established late in the year with B. H. Rubenstein as its chairman.

The Association held three meetings during the year. At the June meeting, W. R. Wilkinson was elected president of the Association. The work of the seven active committees is coordinated by the planning committee with E. J. O'Leary as chairman.

—By Chester C. Kelsey, Manager

2. Thermal Insulation Society

Since the organization of the Thermal Insulation Society in 1949 much interest has been shown over a wide area. As previously reported, chapters have been organized in Pittsburgh and Philadelphia. Because of the interest shown in St. Louis, Mo., Houston, Texas, New Orleans, La., and the West Coast it is safe to assume that chapters may also be organized in at least two of those locations within the next three months. A group of men from New Orleans, and also representatives from Los Angeles, Calif., Seattle, Wash. and Portland, Oregon, met in New Orleans in November and the organization of chapters was discussed.

Considerable progress has been made in some of our committee work.

The *Catalog Committee* should have something concrete to offer within the next 90 days. This recommendation will be circulated to other chapters for comment before being submitted to the manufacturers for their consideration.

The *Specifications Committee* has already written a specification for elevated temperatures which is being studied and this specification, together with those for atmospheric and sub-zero temperature application will undoubtedly be released by the Committee before the end of the fiscal year.

The *Building Insulation Committee* has also made progress in the development of their study of the building



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insulation field. A recommendation should be forthcoming in the near future which can be distributed to builders, architects and others of similar interest.

The most active committee has been the *Special Problems Committee* and it has been decided that at least three meetings of this Committee would be held each year and these meetings promise to set a high standard of interest and participation.

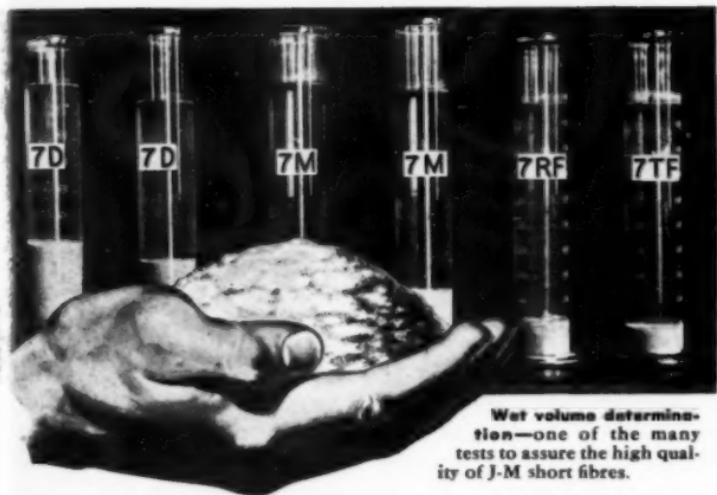
Nothing of a concrete nature has been developed by the *Consumers Committee* as yet because of the lack of time. This Committee may, however, become activated at any time that a material is presented which warrants its consideration.

Our meetings during the past few months show that they are gaining in popularity and interest. Experience is rapidly improving the results obtained, particularly since the members become acquainted with the techniques required to provide good reception. Records which are being kept of all meetings are of inestimable assistance in supplementing the minutes normally recorded for distribution to the committee members.

Meetings during the past year have been quite outstanding in the material subject and its presentation. The following covers our programs from January thru December 1951, omitting June, July and August as no meetings are held in those months:

January—Pittsburgh Corning Corp.—E. H. Martin, Jr.
"Research and Development of Foamglas"
February—C. T. Hogan Company—J. G. Macormack
"Reflective Insulations"
March—Celotex Corporation—Ryall S. Morgan
"Acoustics and Acoustical Materials"
April—The Insulation Company—Wm. B. Brown
"Responsibilities of the Thermal Insulation Contractor"
May—Panel Discussion—Practical Problems
Election of Officers, resulting as follows:
President—Ray Thomas (3rd term)
Vice Pres.—E. E. Davis
Secretary—A. H. Adler
Treasurer—C. L. Wiegers
Executive Committee—
J. R. Chandlee
O. D. Fleming
W. W. Wilson

(Continued on Page 10)



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These **ASBESTOS "Shorts and Floats"** bring improvements and savings to many products

Johns-Manville's improved processing methods eliminate much undesirable material normally found in asbestos shorts. This processing advantage makes the less expensive short fibres a source of product and production benefits. Among these are: improved appearance, greater strength, broader coverage . . . increased resistance to heat, abrasion, impact, cracking and crazing . . . better viscosity control, reduced

settling . . . and in plastics, faster moulding with less distortion in drying.

These benefits make J-M asbestos "shorts" and "floats" standard ingredients in paints, plastics, asphalt floor tile, greases, welding rods, auto underbody coatings and a growing list of other products.

For detailed information, including grade recommendations, write for Brochure AFD-4A.



ASBESTOS FIBRE DIVISION **Canadian Johns-Manville Limited**

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Montreal, P. Q., Canada

September—The Carey Company—S. A. Abrahams
“The Development and Growth of 85% Magnesia
Processes Thruout the United States”

October—Nelson Stud Welding—S. B. Murphy and R. D.
McCahan
“Nel-Welding”

November—Problem Discussion—O. D. Fleming, Chairman
“Field Problems”

December—Koppers Company—Tar Products Division—
E. O. Rhodes
“Coal Tar Products at Home and Abroad”

By Ray Thomas, President

3. Asbestos Textile Institute

The Asbestos Textile Institute held four regular meetings during 1951 and, in addition, the Technical and Sales Promotion Committees met in many extra sessions for discussions pertaining to subjects of special interest to these groups. The officers of the Institute during 1951 were: President, R. E. Cryor, Union Asbestos & Rubber Co., Vice-President, G. S. Fabel, Southern Asbestos Co.; Treasurer, D. W. Widmayer, Keasbey & Mattison Co.; Secretary, M. C. Shaw, Rutgers University.

One of the high lights of the past year was the meeting held in New York City on October 11, 1951 at which time many honored guests including the high ranking officials of the member companies of the Institute and officials of Canadian asbestos mining companies were in attendance. It was at this meeting also that L. R. Hoff, Johns-Manville Corporation was cited for his outstanding services as a founder and active member of the Institute and was presented with a remembrance in recognition of these services.

The Institute, thru the Sales Promotion Committee, has continued to advance its educational programs designed to inform the general public regarding asbestos textiles, their properties and uses, and to broaden the general knowledge and understanding of the asbestos industry. A publication titled “The Story of Asbestos Textiles” was eulation by the member companies and thru the facilities of the National Science Teachers Association. Also, the issued during the year and has been given widespread cir-March 1951 “ASBESTOS”) which are being circulated

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among selected Universities, Colleges and Trade Schools have proven very effective in this educational program. These displays depict the manufacturing operations involved in the production of asbestos textile by means of an illustrated flow chart wherein most of the operations and the equipment involved are pictorially portrayed. Actual samples of the various raw materials and some of the finished products are also included in this exhibit in such a way that the overall concepts are readily perceived. Seven of these displays have been in circulation during the past three years among such schools as:

Lowell Textile Institute	Case Institute of Technology
Georgia Institute of Technology	Texas Technological College
Pratt Institute	Clemson School of Textiles
Illinois Institute of Technology	Philadelphia Textile Institute
Drexel Institute of Technology	North Carolina State College
Rice Institute	Fashion Institute
Franklin & Marshall	Rutgers University
Bradley University	Stevens Institute
E. I. DuPont High School	Rhode Island School of Design
Villanova College	Kansas State College

The exhibitors are, as a rule, permitted to retain this display for periods of from several months to a year, depending upon the interest evidenced. Many schools have requests that the display be given to them as a permanent exhibit, but because of demands by other institutions for permission to show the displays such requests have not as yet been granted. It is planned, however, upon completion of the exhibition circuit to donate several of the displays to some of the institutions as permanent exhibits. In addition, the Institute is now cooperating with the Engineering College of the University of California in the development of a permanent exhibit for placement in their new million dollar "Cory Hall". All of these endeavours are motivated by the Institute's desire to popularize asbestos and asbestos textile products and to enlighten the general public regarding the many facets of this important industry.

The work of the Technical Committee has been devoted to the consideration of a wide variety of technical problems. The critically short supply of spinnable asbestos fibre has caused no little concern within the industry and this committee has been confronted with many problems



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Lansdale, Penna.

related to this condition. In addition, the ever changing consumer demands as reflected in the various specifications of the federal agencies and industrial consumers have been receiving the serious considerations of the Technical Committee.

The interests and activities of the Institute are continually expanding and it is felt that thru these broadening services embodies in the technological, sales and hygienic programs, the best interests of the entire asbestos textile industry will be advanced.

By Dr. Myril C. Shaw, Secretary

THE SOUTH AFRICAN ASBESTOS SITUATION

James L. Kempthorne, President of Asbestos Fibres, Inc. of Newark, has made three trips, or perhaps we should say visits, to South Africa and its asbestos fields and is contemplating a fourth this month. He is interested in finding a source of supply for asbestos to be used in Spray Craft industrial fibre insulation, and to that end has established an office in Johannesburg with a trained man in charge, partly to inspect shipments of asbestos fibre before they leave South Africa.

The companies who have large holdings in the asbestos fields use modern methods of mining and milling and shipments from them can be depended upon to meet certain standards of quality, length or color.

The smaller firms, however, which Mr. Kempthorne calls "independents", have very few standardized materials, methods of mining, milling or in fact of doing business and he says, as to ethics, there are none.

He tells us that there isn't a single independent who properly cleans the fibre and while there may be a clause in the purchase order that 5% of dust content is permissible, generally it exceeds that.

Mr. Kempthorne has inspected a number of properties and has seen the mills used by them and tells us that he has never yet seen a mill that was worth the trouble and expense to tear down. In fact, the small mills are often referred to in South Africa as a Bailing Wire Outfit and described by him as follows.

"The mills are situated on a hillside and hand cobbed

(Continued on Page 48)

YORK ASBESTOS



- **Asbestos Aircell Pipe Covering & Blocks**
temperature limitation 300° F
- **Asbestos Laminated Pipe Covering & Blocks**
temperature limitation 500° F
- **Asbestos Sponge-Felt Pipe Covering & Blocks**
temperature limitation 700° F

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Manufacturers of the Quality Line in

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- FROST-PROOF PIPE COVERING
- WOOL FELT PIPE COVERING
- ANTI-SWEAT PIPE COVERING

NPA - ORDER M - 96

Restricts Use of Asbestos

The National Production Authority, U. S. Department of Commerce, acted on January 17, 1952 to assure that decreasing supplies of spinning grades of chrysotile asbestos fiber are made available to manufacturers producing end products most essential to the defense effort and defense-supporting industries.

Chrysotile asbestos fiber is used in large quantities in the production of textiles, moulded plastics, safety clothing, cable insulation, electrical tape, friction materials and packings and gaskets.

To conserve the limited supplies of spinning grades of the mineral and provide for its use in the best interest of the defense program, NPA issued Order M-96, effective February 1, 1952. On and after that date, the use of some grades of spinning fiber is prohibited for any other than certain specified end-used. Limitations are placed on the use of the material for production of certain other end-use products.

The inventory position of asbestos textile manufacturers is reported to have shrunk substantially from 1949 to 1951.

"Spinning grades of chrysotile asbestos fibre" are defined by NPA to be any one or more of the following: Rhodesian chrysotile asbestos Grade C & G1, C & GP1, C & G2, C & GP2, and C & G3; Canadian Crude No. 1, Crude No. 2, Crude run of mine, crude sundry, 3F, 3K, 3R, 3T, and 3Z; Arizona Crude No. 1 and Crude No. 2; and chrysotile asbestos fiber from any other sources equivalent to any of the foregoing grades.

As a result of today's action, no person shall accept delivery of or use any spinning grades of chrysotile asbestos fiber on and after Feb. 1, 1952; for any purpose other than processing into carded fiber, sliver, rovings, lapps, yarns, tapes or cloths.

None of the material shall be put into process or used after Feb. 1, 1952; in any month for any end use specified in Schedule A of M-96 in excess of 50 percent of his average monthly use of that fiber for the same end use during the base period (Jan. 1, 1948, to Dec. 31, 1950) or, in the case of oil burner wicking, 70 percent. No person shall use yarn or cloth made from spinning grades of chrysotile asbestos fiber for any end use specified in Schedule A exceeding 50 percent, or in the case of oil burner wicking 70 percent of his average monthly use of that yarn or cloth for the same end use in the base period.

Items in Schedule A are; Theater safety curtains, gun covers, ironing board covers, passenger car woven brake linings less than a quarter-inch thick by two inches wide (except for automatic transmissions), and oil burner wickings (except for direct military orders).

To conserve the material further, no person is permitted after Feb. 1, 1952, to put into process or use in any month Canadian

ASBESTOS

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QUEBEC

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GREAT BRITAIN:

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U. S. A.:

BALTIMORE, MD.:

WALLACE & GALE CO.,
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CLEVELAND, OHIO:

WORLD'S PRODUCTS TRADING CO.,
842 Standard Bldg.

CHICAGO, ILL.:

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grade 3Z chrysotile asbestos fiber to produce 85 percent magnesia or other high temperature insulations, in excess of his average monthly consumption of the grade for that purpose during 1950. Producers of this insulation must report by letter to NPA by the 10th day of the month beginning in March the amount of 3Z used in its manufacture during the preceding month.

The prohibitions and limitations on the use of the spinning grades of chrysotile asbestos fiber do not apply to Canadian grade 3Z used in the production of compressed sheet packing or electrolytic paper. Furthermore, they do apply to spinning grade chrysotile asbestos waste or scrap materials produced in the fabrication, spinning or processing of asbestos fiber that cannot be reprocessed and used in operations permitted by the order, or to any person who uses 100 pounds or less of spinning grades of chrysotile asbestos fiber during a calendar month.

Further information may be obtained at Department of Commerce field offices.

WAGE RATE CHANGES

Wage rate changes for Asbestos workers (pipe and boiler coverers) as reported in the January number of the *Asbestos Worker* (published quarterly by the International Association of Heat and Frost Insulators and Asbestos Workers) are as follows:

Albuquerque, N. M.	\$2.61 $\frac{1}{2}$	Little Rock, Ark.	2.61
Austin, Texas	2.61 $\frac{1}{2}$	Madison, Wis.	2.69*
Boise, Idaho	2.34	Memphis, Tenn.	2.61 $\frac{1}{2}$ *
Boston Naval Shipyard	1.90	Milwaukee, Wis.	2.69*
Buffalo, N.Y.	2.77	Norfolk, Va.	
Corpus Christi, Texas	2.61 $\frac{1}{2}$	(Navy Yard)	1.83
Denver, Colo.	2.61*	Oak Ridge, Tenn.	
Detroit, Mich.	2.88 $\frac{1}{2}$	(Clinton Engr. Works, Maintenance only)	2.11
+5c W.F.		Oklahoma City, Okla.	2.61 $\frac{1}{2}$ *
El Paso, Texas	2.61 $\frac{1}{2}$ *	Phoenix, Ariz.	2.62 $\frac{1}{2}$ *
Fort Wayne, Ind.	2.55*	Providence, R.I.	2.69 $\frac{1}{2}$
Greensboro, N.C.	2.47 $\frac{1}{2}$	+9c W.F.	
Greenville, S.C.	2.47 $\frac{1}{2}$ *	Salt Lake City, Utah	2.36 $\frac{1}{2}$
Knoxville, Tenn.	2.61 $\frac{1}{2}$	San Antonio, Texas	2.61 $\frac{1}{2}$
Laramie, Wyo.	2.61*	South Bend, Ind.	2.53
Lawrenceburg, Ind. (Distillery Plant)		Springfield, Mo.	2.47 $\frac{1}{2}$ *
Workers only)	2.29 $\frac{1}{2}$	Tampa, Fla.	2.47 $\frac{1}{2}$ *

Full list of cities with rates was given in our November 1951 number.

W.F. (above) means Welfare Fund.

* Negotiated—Pending approval of Construction Industry Stabilization Commission.

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Brooklyn 26, New York

MARKET CONDITIONS

GENERAL BUSINESS.

While total employment and production continue at high levels the situation in specific industries and localities is much more confusing than total figures would indicate. Hosie-y workers in the Philadelphia area have taken a substantial wage cut occasioned chiefly by the effects of competition from other areas. The soft goods industries are still suffering from overproduction. Sales of consumers' hard goods are spotty. Many metal fabricators are actively soliciting new business largely because subcontracting of defense components has not yet progressed to a point comparable to that achieved in 1942. Some steel producers are still of the opinion that the second quarter will see the mills in position to comfortably meet the demand for all but a few products. The trend of all wages and prices may well be determined later this month when the Wage Stabilization Board issues its recommendations on the steel wage dispute. The disparities which exist and tend to becloud the general picture are apparent in the comments which follow concerning the specific products of the Asbestos Industry.

ASBESTOS — RAW MATERIAL.

A heavy demand for all grades was experienced during Janutary, influenced partly, no doubt, by the upward revision in prices. The demand for Groups 3, 4 and 5 fibre is still equal to or in excess of supply, with some ease-off apparent in the 6 and 7 Group grades.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. Heavy demand continues to exist for all types of Asbestos Textiles with a better part of the orders still emphasizing asbestos cloth. For the first time since the end of hostilities of World War II, we do not anticipate a slack season as heretofore experienced. The outlook for 1952 is particularly enlightening at this time for the Asbestos Textile Industry.

Brake Lining. The market in replacement is not too active, but December and January are normally off months on account of inventory, weather, etc. The outlook con-

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Producers of

CRUDES

and

Fiberized Asbestos

The World's Finest Fibre



DRAWER 71

GLOBE, ARIZONA

Mines and Mills in Gila Co., Arizona

tinues good. The equipment business will be slower in succeeding months. Competition is severe on price basis, particularly on Heavy Duty Brake Blocks.

Asbestos Paper and Millboard. There is practically no change in the market situation in paper and millboard as reported in our January number. *Saturated Paper.* The saturated paper line is very slow on account of bad weather. The U. S. Government is a substantial.

Insulation — High Pressure. This line shows heavy demand, most orders booked sometime ago are now being pressed for shipment since defense work is speeding up and earlier completion dates have been established. It is anticipated the volume in 1952 will equal or better that of 1951. At present, much work is being held up by customers waiting for steel and other materials.

Insulation — Low Pressure. Prices in this market are steady, with demand heavy. Orders booked some months ago are now being pressed for shipment.

Asbestos Cement Products. Indecisive action by Washington makes it hard to plan ahead but we hope for a clarification of what is to be done in the building industry for the year 1952.

The roofing and siding market is especially slow because of weather conditions. The new color designs in siding are very popular and siding is being used to a large extent on new houses.

Restrictions on new residential building will affect siding demand; both siding and residing markets will be more important in 1952.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

• • •

The 21st annual Conference on Packaging, Packing and Shipping, held concurrently with the National Packaging Exposition will be held from April 1 to 3, with the exposition open for a fourth day, April 4th. The Packaging Exposition, will be the largest in the 21-year history of the event. Some 300 companies will utilize more than 100,000 square feet of space to present the machines, equipment, materials and services for packaging, packing and materials handling of both consumer and industrial products.



**FAST
LOW COST WAY**
For Cutting
ASBESTOS Products

Pictured is the cutting department of the Asbeka Asbestos Machining Corp., 113-53rd St., Brooklyn, N. Y. This progressive firm uses four Stone Saws for fast clean cutting of asbestos ebony, Transite and other asbestos products. Machine in center is cutting 2½" ebony for switchboard panels.

A Stone Saw can reduce your asbestos product cutting costs. You'll want to know more about the Stone Saw. Write today.



STONE MACHINERY CO., INC.
111 Fayette Street Manlius, N.Y.

ASBESTOS PRODUCTION STATISTICS

Canada

(Department of Mines, Province of Quebec)
Tons — 2000 lbs.

Production for November 1951 84,154 tons
Compared with November 1950 87,577 tons
Dominion Production for November 1951 is 85,623 tons, a difference of 1,469 tons from the Quebec figure.

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)
Tons — 2000 lbs.

Production for September 1951	6,299.64 tons
Valued at	£437,339
Production for September 1950	5,862.51 tons
Valued at	£357,174

Cyprus

(From Inspector of Mines)

	4th Quarter 1951		
	Tons — 2000 lbs.		
Rock Mined	October	November	December
Rock Treated	152,590	53,529	274
Fibre Produced	56,759	37,290	1,528
Fibre Exported	1,924	1,285	556
	1,677	785	253

BUILDING

Total construction contract awards in 1951 for the 37 states east of the Rockies amounted to \$15,751,131,000 or 8 per cent more than 1950's total of \$14,501,055,000. The year end total was announced by F. W. Dodge Corporation, construction news and marketing specialists.

Non-residential awards for the year just ended reached \$6,822,513,000 or 31 per cent more than the 1950 total. Residential contracts amounting to \$6,205,388,000 were 8 per cent below the 1950 comparative figure.

Public and private works and utilities had a final total of \$2,723,230,000 or 6 per cent higher than the total for the previous year.

Curiosity is one of the permanent and certain characteristics of a vigorous intelligence.

Carey **ASBESTOS**

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.

And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

THE CAREY LINE INCLUDES:

Asbestos Corrugated Roofing and Siding
Asbestos Fiber and Specialties
Asbestos Flat Sheathing
Asbestos Heat Insulations and Cements
Asbestos Packing • Asbestos Roofing Felts
Asbestos Paper and Millboard
Asbestos Prefabricated Ducts
Asbestos Shingles and Siding
Asbestos Wallboard

**THE PHILIP CAREY MANUFACTURING CO.
CINCINNATI 15, OHIO**

In Canada: The Philip Carey Co., Ltd., 277 Duke Street, Montreal 3, P. Q.

IMPORTS AND EXPORTS

Imports of Asbestos by United Kingdom

Raw Material

	November 1951
	Tons (2240 lbs.)
From Union of South Africa	1,875
Southern Rhodesia	1,781
Bechuanaland, Basutoland & Swaziland	781
Canada	5,614
Other Commonwealth Countries and the Irish Republic	464
Foreign Countries	7
	<hr/> 10,522

Of this 10,522 tons, 8,949 were chrysotile, and 1,573 tons other varieties. These figures were supplied by the Mining Journal Limited of London.

Imports into U. S. A.

(Figures by Bureau of Census)

	October 1951
	Tons (2240 lbs.)
From Canada	56,964
Bolivia	88
Mozambique	277
S. Rhodesia	108
U. of S. Africa	2,718
Other Countries	107
	<hr/> 60,262
Valued at	\$5,271,804

By Grades:

Crude No. 1, Chrysotile, S. Rhodesia	36
Crude No. 2, Chrysotile, Canada	22
Crude No. 2, Chrysotile, S. Rhodesia	72
Crude, Other, Chrysotile, U. of S. Africa	304
Crude, Other, Chrysotile, Other Countries	61
Crude, Blue, Bolivia	88
Crude, Blue, Union of S. Africa	664
Crude, Blue, Other Countries	23
Crude, Amosite, Mozambique	277
Crude, Amosite, Union of S. Africa	1,750
Textile Fibres, Chrysotile, Canada	1,697
Shingle Fibres, Chrysotile, Canada	9,579
Paper Fibres, Chrysotile, Canada	7,493
Other Fibres, Chrysotile, Canada	38,173
	<hr/> 60,262

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BALTIMORE 20: 612 Battery Avenue

BOSTON: 57 Regent St., North Cambridge 40

CHARLOTTE, N. C.: 197 S. Cedar St.

CHICAGO 16: 2000 N. Congress Grove, Avenue

CINCINNATI 2: 417 West 21 Street

DALLAS 1: 601 Second Avenue

MUNDET DISTRICT OFFICES

DISTRICT 21: 14401 Prairie Street

HOUSTON 1: Commerce and Palmer Streets

INDIANAPOLIS: 15 E. Washington Street

JACKSONVILLE 6, FLA.: 800 Bay Street

KANSAS CITY 10: 1400 St. Louis Avenue

LOS ANGELES (Maywood): 6116 Waller Ave.

NEW ORLEANS 16: 315-35 N. Front Street

NEW YORK 17: 331 Madison Avenue

PHILADELPHIA 39: 856 N. 48th Street

ST. LOUIS 9: 3170 Braemar Ave.

SAN FRANCISCO 7: 440 Brannan Street

In Canada: Munder Cork & Insulating, Ltd.

35 South Avenue, Toronto

Write us for name of our nearest representative if there is no Munder office in your city.

Imports Into The U. S. A. (Cont'd.)

<i>Manufactured Asbestos Goods:</i>	<i>October 1951</i>	
	<i>Quantity (lbs.)</i>	<i>Value</i>
Asbestos Yarn		
Canada	17,404	\$ 13,286
United Kingdom	31,557	18,317
Asbestos Packing—Fabric	2,245	3,326
Asbestos Packing—Not Fabric	638	316
Asbestos Woven Fabric—Other		
Canada	30,506	27,898
Other Countries	7,962	4,760
Asbestos Brake Lining (Mld.)	4,363	1,331
Asbestos Cement Products (Not Impreg.)		
Canada	200,475	10,742
Mexico	448,322	27,610
Asbestos Cement Products (Impreg.)	6,806	1,102
Asbestos Shingles—(Not Impreg.)	155,130	9,287
Asbestos Manufactures—Others		3,396
	905,408	\$121,371

Exports from U. S. A.

(Figures by Bureau of Census)

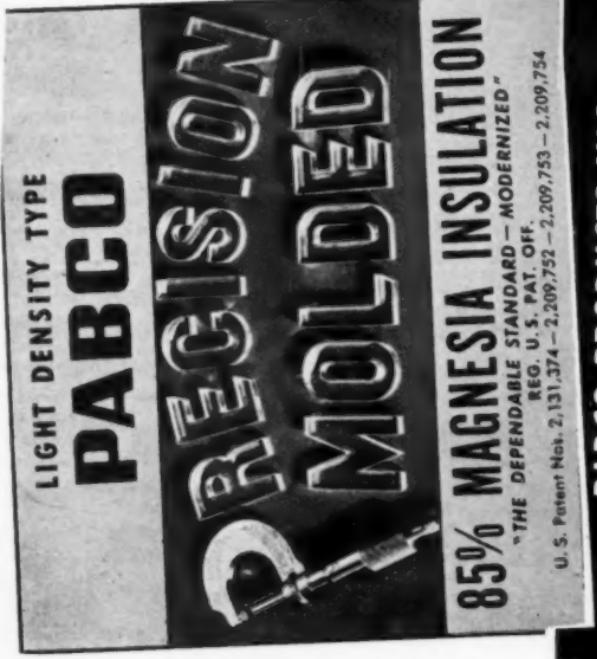
<i>Unmanufactured Asbestos:</i>	<i>October 1951</i>	
	<i>Tons (2240 lbs.)</i>	<i>Value</i>
To Europe	214	\$ 57,783
South America	511	119,622
Other Countries	190	48,909
	915	\$226,314

<i>Manufactured Asbestos Goods:</i>	<i>October 1951</i>	
	<i>Quantity</i>	<i>Value</i>
Asbestos Pipe Covg. & Cement	Lbs. 181,312	\$ 14,297
Asbestos Textiles & Yarn	Lbs. 28,799	31,477
Asbestos Packing	Lbs. 140,686	143,470
Asbestos Bk. Lng. (Mld.&S.Mld.)	Lbs. 353,537	345,032
Asbestos Bk. Lng. (Woven)	Lin. Ft. 46,987	44,703
Asbestos Clutch Facings	No. 165,402	105,455
Asbestos Brake Blocks	Lbs. 59,220	61,620
Asbestos Construction Materials	Lbs. 1,552,774	299,034
Asbestos Manufactures—Others		50,557
		\$1,095,645

The will of the people is the only legitimate foundation of government; and to protect its free expression should be our first object.

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88
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PIPE COVERING MADE IN SECTIONAL FORM
UP TO AND INCLUDING 18-INCH PIPE SIZE



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85% MAGNEZIA INSULATION

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475 Brannan Street, San Francisco 19, California
Engineering Service Units in Principal Cities

Exports from Canada

(Published by Dominion Bureau of Statistics)

		October 1951
	Tons (2000 lbs.)	Value
<i>Unmanufactured Asbestos:</i>		
<i>Crude</i>		
United States	38	\$ 26,093
United Kingdom .....	.....	.....
South America .....	.....	.....
Central America & Mexico .....	.....	.....
European Countries	2	1,780
Other Countries .....	.....	.....
<i>Milled</i>	40	\$ 27,873
United States	19,052	2,822,954
United Kingdom	2,576	360,901
South America	1,205	200,438
Central America & Mexico	245	37,262
European Countries	3,776	596,906
Other Countries	2,177	326,183
<i>Shorts</i>	29,031	\$4,344,644
United States	42,294	1,988,550
United Kingdom	4,215	190,140
South America	505	37,578
Central America & Mexico .....	.....	.....
European Countries	4,881	333,300
Other Countries	875	75,261
	52,770	\$2,624,829
<i>Grand Total—Unmanufactured Asbestos</i>	81,841	\$6,997,346
<i>Manufactured Asbestos Goods:</i>		
Brake Lining	\$ 96,383
Packing	4,057
Other Materials	62,336
	\$ 162,776

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HOLLAND—GRIPPELING & VERKLEY, N.V.
291 Keizersgracht - Amsterdam - C.

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49 South Molton St. - Mayfair - W 1

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Norbestos (via Warwick)
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New York 5, New York

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NEWS OF THE INDUSTRY

BIRTHDAYS

I. J. Harvey, Jr., President and Director, The Flintkote Co., New York City, February 20.

Clarence E. Witherspoon, President, Asbestos Construction Co., Inc., New York City, February 20.

G. W. Marshall, Jr., Vice President, Raybestos-Manhattan, Inc., Manheim, Pa., February 21.

Robert E. Cryor, Vice President, Union Asbestos & Rubber Company, Cicero, 50, Ill., February 23.

J. Albert Taylor, Vice-President and Secretary, Wallace & Gale Co., Baltimore, Md., February 24.

A. S. Johnson, President, Johnson's Co., Ltd., Thetford Mines, P.Q., Canada, February 28.

Leonard Krez, President and Treasurer, Paul J. Krez Co., Chicago, Ill., February 28.

A. S. P. Sangster, General Works Manager, Wunderlich, Limited, Sydney, N.S.W., Australia, March 2.

John H. Matthews, Vice-President, Raybestos-Manhattan, Inc., Passaic, N. J., March 3.

Carl Bindman, Sales Manager, Johnson's Company, Thetford Mines, P.Q., Canada, March 7.

M. E. Curtis, President and Treasurer, Curtis Asbestos Company, Boston, Mass., March 7.

P. M. Taft, President, Taft-Jenkins Co., Holyoke, Mass., March 9.

Thomas J. Casey, Treasurer, Asbestos Corporation of America, New York City, March 10.

W. L. Markert, President, Brooks-Fisher Insulating Company, Atlanta, Ga., March 10.

M. R. Carr, President, H. W. Porter & Co., Inc., Newark, N. J., March 11.

A. Lines, Superintendent, Durabestos Works, Wunderlich Limited, Parramatta, Australia, March 11.

James E. Wallace, Vice President, John W. Wallace & Co., Hoboken, N. J., March 11.

Theodore D. Wallace, Secretary-Treasurer, John W. Wallace & Co., Hoboken, N. J., March 11.

Harry A. Kieselbach, General Manager, Insulation Dept., Johns-Manville Corp., New York City, March 14.

To all these gentlemen we extend best wishes and congratulations on the occasion of their birthdays.

TECHO SALVANITE

To Make Asbestos-Cement Sheets

Techo Salvanite has been established in El Salvador, Central America by Antonio Castelli, for the manufacture of Asbestos Cement Sheets, both plain and corrugated. The Hatschek process is being used. If further information is desired contact Mr. Castelli, whose address is Apartado Potal 248, El Salvador, Central America.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

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ROVINGS POWDER
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ASBESTOS CEMENT PIPE**

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85% Magnesia insulation**

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RUDOLF LOUIS ROMAN WILD
August 23, 1877—December 31, 1951

The Asbestos Industry lost one of its great personalities in the death of Rudolf Wild at his home in Burlingame, California, on December 31, 1951.

Born in Nuremberg, Germany in 1877, "Rudi" Wild attended schools in Passav and Rotenburg, graduating from a "gymnasium" (equivalent to our high school) in Cassel at which he learned enough English to encourage him to go to Manchester, England at the turn of the century, selling the products of a German chemical firm to British textile mills concentrated in that area.

During a period of four years in Manchester he found the business methods, social life and customs of the British to his liking and decided to stay in England.

In 1904 he joined the Cape Asbestos Company, Ltd. in London. Always the optimist and an energetic salesman, Rudi secured several good orders at a time when the then young firm was struggling to keep alive. He was active in the management of the company for fifteen years and became internationally known as an authority on the subject of asbestos. Meanwhile a son, Ronold and a daughter, Brenda were born of his marriage to an English girl.

Rudi brought his family to the United States in 1919. He was associated with the Asbestos Textile Company, New York City, before establishing the Waite-Wild Asbestos Company in Framingham, Massachusetts.

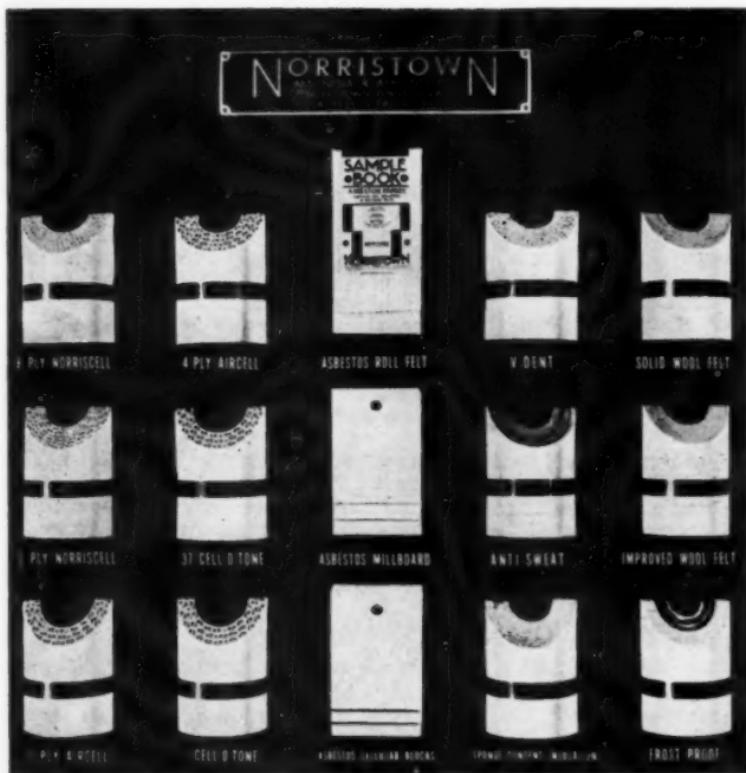
In 1923 he joined the United States Asbestos Company in Manheim, Pennsylvania, interested his firm in the manufacture of woven brake lining and clutch facing, went to Detroit for two years to develop the automotive market, then returned to Manheim as sales manager.

Late in 1928, he joined Union Asbestos & Rubber Company in Chicago and was in charge of Industrial sales as Vice President until 1933, when he moved to New York as eastern sales representative for Unarco's automotive products.

With Rudi's knowledge of the characteristics of the various types of asbestos fiber, and with his unbound energy and confidence in what he proposed, he was instrumental in the development of insulating materials made of Amosite fiber. He conceived the flexible insulating blanket known as "Insubestos" felt, used on practically every U. S. Navy combat vessel during World War II, and it was largely thru his influence that Unarco entered into the manufacture of the Amosite asbestos pipe covering known as "Unibestos", widely used in naval, marine and general industrial applications.

Deciding that life would be more enjoyable in a moderate climate, the Wilds moved to San Francisco in 1945, Rudi representing Unarco as Western Regional Manager of Industrial sales. Mrs. Wild died early in 1948 and about a year later he married the widow of the late George A. Hull, retired former Vice President of the company's Equipment Specialties Division.

Rudolf Wild enjoyed life in the company of his family and a



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host of friends. He was known for his keen sense of humor and ability as a reconteur. He was a connoisseur of foods and wines. Gardening, Photography and travel were his hobbies. He was active in the founding of the Asbestos Textile Institute, and was a member of the Propeller Club and the Society of Naval Architects.

FOLDER ON SPRAY CRAFT FIBRE INSULATION AVAILABLE

James L. Kempthorne, President of Asbestos Fibres, Inc., has recently issued a four page folder on his SprayCraft, an industrial fibre insulation made by Sprayed Insulation, Inc. Asbestos Fibres, Inc. is a wholly owned subsidiary of Sprayed Insulation, Inc., which processes a proper type of fibre for SprayCraft.

Mr. Kempthorne has recently returned from his third trip to South Africa and expects to make a fourth trip about February 15th. He is very much interested in the Asbestos situation in South Africa and his report on it is most interesting reading but too lengthy to be included in our pages except in abbreviated form.

After years of development, SprayCraft is now ready for hard side wall application in any color. There is to be a national convention in Newark in the fall, at which time an entire new line of products all applied by the spraygun method, will be introduced, all of which are covered by patent applications.

If interested in SprayCraft write him for a copy of the folder.

CAPE ASBESTOS COMPANY Issues House Organ

The Cape Asbestos Company, Ltd. has sent us a copy of their first issue of the C.A.P. magazine, a house organ going to all their employees, in England, Africa, Italy and other places, offices or plants.

It is most interesting especially comparing with American house organs several of which also have us on their mailing lists.

Giles Newton, Managing Director, in his foreword says, "We have members of our Company in so many different units and many of us 6,000 miles apart. I believe that our family spirit is such that we are all deeply interested in knowing what our brothers and sisters are doing."

Pictures are used quite frequently and pictures are always of interest.

CORRECTION

In our January issue, in referring to a very clever Christmas Greeting card which was put out by Sall Mountain Company, we erroneously referred to the president of Sall Mountain Company as Grant V. Wilson. The president of Sall Mountain Company is Mr. Ladd L. Wilson, and the little girl shown in the photograph on the Sall Mountain Greeting Card is Kathy, Mr. Ladd Wilson's daughter.

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ROCKBESTOS RECEIVES CITATION

Rockbestos Products Corporation, New Haven, has received a special citation for the part it is playing in supporting the program to provide technical assistance to the Marshall Plan countries.

The recognition came from Richard M. Bissell, Jr., acting administrator of the Economic Cooperation Administration. He sent a letter of thanks and a "Certificate of Cooperation" to Rockbestos officials.

The certificate states that it is awarded to Rockbestos for "furnishing technical assistance to the peoples of the Marshall Plan countries to aid them in maintaining individual liberty, free institutions and peace".

Rockbestos is known far and wide for its pioneering work in the development of wires and cables used wherever there are severe operating conditions, such as extreme heat. Its products currently are being used in Navy ships, jet aircraft, and radar equipment, as well as by steel mills, mines, utilities, and industry generally. It was Rockbestos-type cable, for example, which permitted the aircraft carrier U. S. S. Franklin to be brought home under her own power after she had taken a merciless bombardment from Japanese bombers during World War II.

The groups that have visited Rockbestos to acquire technical knowledge for the making of similar products in Marshall Plan countries included engineering and production personnel from Great Britain and France. (See August 1951 "ASBESTOS", page 38 for detailed account of the entertainment of the visitors from France.)

JOHNS-MANVILLE

Annual Report

For the second successive year, Johns-Manville in 1951 set new high records in sales, production, payrolls and profits. The 93rd anniversary report was mailed January 30th, 1952.

Consolidated net earnings of Johns-Manville Corporation in 1951 were \$24,530,509 or \$7.76 per share of common stock compared with \$22,814,491 or \$7.29 per share in 1950. The 1951 earnings were equivalent to 10.3 cents in the sales dollar.

Sales were \$238,034,399 in 1951, compared with \$203,272,945 in 1950.

Before taxes of all kinds, 1951 earnings were \$54,287,500, which was \$11,439,405 more than in 1950.

Dividends of \$4.25 per share were paid on the common stock in 1951, compared with \$3.50 in 1950. Dividends paid in 1951 amounted to \$13,442,989.

The payroll in 1951 was \$81,288,238, compared with \$70,272,500 in 1950. Employment at the end of 1951 was 21,000 compared with 20,000 at the end of 1950.

Plans have been approved for a major expansion and replacement program at the Jeffrey mine at Asbestos, Quebec. The site has been cleared for a new mill to extract asbestos fibre from ore. It will expand milling capacity and will eventually replace the present mills. Underground mining facilities are

to be enlarged. These projects are part of a long-range program to maintain the present fibre production rate entirely by underground mining when operation of the open pit, from which all ore has come until recently, is no longer feasible.

The Munro asbestos mine and mill near Matheson, Ontario, begun in 1949, reached full production in 1951.

Other projects in 1951 included completion of new facilities for manufacture of floor tile at the Waukegan, Ill., plant and the start of construction of a second product-development building at the Research Center near Manville, N. J.

BIRD & SON

Ralph M. Wight Made Director of Personnel

Bird & Son, Inc. announces the appointment of *Ralph M. Wight* as director of personnel. Mr. Wight, who moves up from the superintendency of the flooring plant, fills the position left vacant by the sudden death in December of Creighton Hill.

ASBURY PROMOTED BY PABCO

Edgar Asbury has been promoted by Pabco Products, Inc., from Assistant Regional Manager of the Insulation Division, to the full duties and responsibilities of Mid-West Regional Manager, Insulation Division. Mr. Asbury's headquarters will remain in Kansas City, Mo.

TURNER & NEWALL LIMITED

Directors' Report

Copy of Directors' Report for fiscal year ending September 30, 1951, has been received from Turner & Newall Limited, the annual general meeting having been held on January 24th, 1952.

The net profit for the year after taxation was £4,553,300.

A new milling plant at Mashaba, Southern Rhodesia, is now completed and in operation. It is expected that production from this area will be increased, but the increase, while welcome, will by no means bridge the gap between available supplies and current needs.

Their Canadian Mining Company, Bell Asbestos Mines, Ltd., operated to capacity. From the end of 1951 quarrying ceases at the Bell Mine, and in future, all ore will be recovered by the "block-caving" method of underground mining.

FRED P. BIGGS MADE VICE-PRESIDENT OF AMERICAN BRAKE SHOE COMPANY

Fred P. Biggs has been elected a vice president of American Brake Shoe Company according to an announcement by William B. Given, Jr., Chairman of the Board. Mr. Biggs is also president of the company's Brake Shoe and Castings Division.

RAYBESTOS-MANHATTAN FOLDER ON WABASH PLANT

A very beautiful folder has been issued by the Raybestos-Manhattan Co., concerning their Wabash Division Plant at Crawfordsville, Indiana. The plant is operating exclusively on defense materials and this folder announces the completion of the initial unit.

Havelock Asbestos Mine

The following note has been taken from the Mining Journal published in London, and will be of interest to many of our readers:

For the past twelve years Swaziland's largest mineral producer has been the Havelock Asbestos Mine, owned by Turner & Newall, which started production in June 1939. No less than £750,000 was expended in bringing this proposition to the producing stage. The most spectacular part of the equipment is an aerial ropeway more than 12½ miles long. The mine is worked to a certain depth by quarrying, this work entailing the removal of 4,000,000 tons of wall, rock and overburden. The plant is capable of producing more than 2,000 tons of bagged asbestos monthly.

LYNCH ASBESTOS CO. — Issues Bulletin G-11

Bulletin G-11, just announced, is a four-page catalog picturing, describing and listing specifications for six of the Lasco products presently manufactured by the Lynch Asbestos Company, Los Angeles.

Lasco products described are: Aircell pipe covering, wool felt pipe coverings, foil anti-sweat pipe covering, anti-sweat pipe covering, foil insulation and corrugated asbestos paper (Aircell). Lynch Asbestos also manufactures Lasco hot air ducts and special size dust-stop filters, and are distributors of: Asbestos paper, roll-board, millboard, cloth, fibres, Fiberglas insulation, and filters.

Copies of Bulletin G-11 may be obtained by writing Lynch Asbestos Co., 2939 So. Sunol Drive, Los Angeles 23, California.

JOHN J. ROPER

Elected President, ACNEA

John J. Roper, Sales Engineer for the Building Materials Division of the Armstrong Cork Company of Boston, was elected President of the Asbestos Contractors' New England Association, at their Annual Meeting, held January 16th at the Engineers Club. Mr. Roper held the position of Secretary-Treasurer for five years preceding his election to the presidency.

ASBESTOS CHAPTER

Reprint from 1950 Minerals Yearbook

The 1950 Chapter on Asbestos from the U. S. Minerals Yearbook, published annually by the U. S. Bureau of Mines, has just arrived. All "ASBESTOS" readers who have collected an Asbestos Library, will want a copy. Send 5c (in coin) to the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D.C.

It contains salient statistics of the Asbestos Industry in the United States, including a table of World production of Asbestos, 1945 to 1950 inclusive.

Other information on the Asbestos Industry in 1950 which the pamphlet contains will no doubt be of interest to our readers.

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Jersey City, N. J.

A. C. P. A. Issues Asbestos Cement Products Guide

The Asbestos Cement Products Association has recently had reprints made of the article which appeared in the June 1951 issue of National Roofer. If interested drop a card or note to the Asbestos Cement Products Association, 509 Madison Avenue, New York 22, N. Y., and a copy of the Guide will be mailed to you promptly.

KARL H. BEHRE DIES AT FIFTY-THREE

Karl H. Behre, Secretary of The Ruberoid Company, died on January 8 following an illness of several months. He was 53 years old and resided at New Canaan, Conn.

Mr. Behre had been associated with The Ruberoid Company for the past 25 years, including an association of 10 years with Vermont Asbestos Corporation which was acquired by Ruberoid in 1936. His earlier business connections had been with the Title Guarantee and Trust Company of Brooklyn, and the Industrial Finance Company, of Boston, Mass.

Mr. Behre was a native of New York City and a graduate of Williams College. He was a member of the American Society of Corporate Secretaries, and the Williams Club of New York.

AUTOMOBILE SALES

	Dec. 1951	Year 1951
Passenger Cars	293,305	5,337,729
Motor Trucks	88,331	1,420,432
Motor Coaches	845	9,453
	382,481	6,767,614

In December 1950 a total of 640,924 motor vehicles were sold.

Sales in the year 1950 amounted to 8,003,045 motor vehicles.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

Bulletin 750D concerning Vartex varnished asbestos cloth, may be of interest to some of our readers. It can be obtained from the Insulation Manufacturers Corporation by writing them at 565 W. Washington Boulevard, Chicago 6, Illinois.

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Amosite
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The South African Asbestos Situation

(Continued from Page 14)

ore is dumped into a rock crusher, it then passes over a crude screening device and goes thru a hammer mill. The hammer mills are not the type that have the interchangeable screens but are a crude contraption in which if there was any good fibre it would be chewed to pieces in this operation. Passing from the hammer mill the crushed ore goes thru a revolving screen; over it the Hurricane Blowers take off a cloud of dust which is exhausted into the outside air. From there the fibre passes over a home-made oscillating shaker screen, then thru an additional revolving screen over which air is passed exhausting the dust into the atmosphere. The last and final operation is that the fibre goes over a second oscillating shaker screen, and is lifted by a suction type air lift. On the better design mills there is a Cyclone on the first shaker screen which takes off longer fibre. This means that there are only two grades and that the grades are never standard. The asbestos furnished from any of these independents will vary considerably from month to month. This must be realized and understood by any purchaser.

The mining operations here are known generally as "Hog Rooting", and are done by what is known as "Tributor System". The tributor is really a mine superintendent who is paid by the property owner to mine fibre at so much per bag of hand cobbed asbestos. Of course, it is perfectly apparent that the tributor will mine what is more easily available, caring nothing how the property is damaged, but doing all he can to get the available fibre out of the ground the quickest way. Mining, in such cases, is all done by hand except that there will be an air compressor diesel driven engine which will operate approximately two jack hammers.

If the vein is running vertically, they do not attempt to go over 14 feet deep because of the hazard of a cave-in, the necessity of timbering, and because of the necessity of hoisting the ore to the surface. Then, to make it worse, after they have gotten it to this stage, they fill in the drifts which destroy the property. No records are kept

and anyone attempting to mine the same property later would be hopelessly lost.

Of course, everyone knows that the surface asbestos is of the poorer quality and that it is necessary to go in deeper to get the better grades. If these "Hog Rooters" go in any deeper they automatically become subject to the mining laws of the Union of South Africa which are quite strict. The Inspector insists upon the proper timbering, proper housing for the natives, and the like, which from the tributary standpoint is impossible. The natives are housed generally in little thatched mud huts, without any sanitary conditions whatsoever—just a temporary shelter.

Milling is usually operated by a diesel driven engine from 75 to 100 H.P. They seldom have any spares. In many cases there is no protection for this expensive equipment other than the housing which surrounds most of the units."

Under the conditions described one can understand why it is almost impossible for shipments of asbestos to adhere to certain American standards.

As we read the report Mr. Kempthorne, after a thorough study of the situation, made some sort of arrangement to mill the production of a number of "independents" standardizing the product and thus helping both the small miners and, far more important the buyers in the U.S.A. (or elsewhere) to the extent that they could be assured that the material received would be at least somewhere near the specifications on the order. I am sure Mr. Kempthorne would be glad to discuss the whole situation with any of our readers.

It happens that Mr. Kempthorne's hobby is photography and he has a very fine collection of pictures, both movies and stills which he has already shown at meetings of asbestos mining executives. Anyone interested should contact him and arrange for a "travelogue" which would be very enjoyable as well as instructive.

The second Chicago International Trade Fair will be held from March 22nd to April 6th, 1952, at Navy Pier, Chicago. The first fair, held in August 1950 had an attendance of 250,000 and 2,200 exhibitors from 44 nations participated.

CURRENT RANGE OF PRICE

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	Per Ton (2000 lbs.) f.o.b. Mine
Group No. 1 (Crude No. 1)	\$1,100.00 to \$1,500.00
Group No. 2 Crude No. 2; Crude	
Run-of-Mine and Sundry	500.00 to 1,000.00
Group No. 3 (Spinning Fibre)	300.00 to 525.00
Group No. 4 (Shingle Fibre)	150.00 to 200.00
Group No. 5 (Paper Fibre)	100.00 to 140.00
Group No. 6 (Waste, Stucco or Plaster)	77.00
Group No. 7 (Refuse or Shorts)	35.00 to 70.00
Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville Vt.	
Group No. 3 (Spinning & Filtering)	321.00 to 348.00
Group No. 4 (Shingle Fibre)	156.00 to 173.00
Group No. 5 (Paper Fibre)	110.00 to 132.00
Group No. 6 (Waste, Stucco or Plaster)	78.00
Group No. 7 (Refuse or Shorts)	37.00 to 68.50

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the commercial & Financial Chronicle. No guarantee as to their correctness)

	January 1952			
	Par	Low	High	Last
Amer. Br. Shoe (Com)	np	39 1/8	41 1/8	40 1/4
Amer. Br. Shoe (Pfd)	100	102 1/2	105 1/2	105 1/2
Armst. Ck. (Com)	np	52 1/2	57 1/4	56
Armst. Ck. (Pfd)	np	92 1/8	94	93 3/4
Armst. Ck. (Conv. Pfd)	np	113	117 1/2	115 1/2
Asb. Corp. (Com)	np	22	25	24 1/4
Asb. Mfg. Co. (Com)	1	1 1/8	1 1/8	1 1/8
Carey (Com)	10	17 1/8	18 1/8	18 1/2
Celotex (Com)	np	17 1/4	18 1/2	18 1/4
Celotex (Pfd)	20	16	17 1/2	17
Certainteed (Com)	1	14 1/4	15 1/2	14 1/2
Flintkote (Com)	np	29	30 1/4	29 3/4
Flintkote (Pfd)	np	98	101	101
Johns-Manville (Com)	np	67	73 1/4	69 1/2
Pabco Products (Com)	np	15 1/2	17 1/4	15 7/8
Pabco Products (Pfd)	100	96 1/2	99	97
Ray-Man (Com)	np	41 1/4	45	45
Ruberoid (Com)	np	54	56 1/4	55 3/4
Thermoid (Com)	1	10 5/8	12 1/2	12 1/2
Thermoid (Pfd)	50	45	47 1/4	47 1/4
Union Asb. & Rub. (Com)	5	13	13 1/2	13 1/2
United Asb. (Com)	1	\$3.00	\$4.45	\$4.15
U. S. Gypsum (Com)	20	105 1/2	111 1/2	106 1/2
U. S. Gypsum (Pfd)	100	167	175	175
U. S. Rubber (Com)	10	75 1/4	85 1/2	82 1/2
U. S. Rubber (Pfd)	100	136 1/4	144 1/2	144 1/4

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ACCIDENT PREVENTION MANUAL

The new edition of the National Safety Council's 80-page, "Accident Prevention Manual for Industrial Operations", contains practical ways to prevent industrial accidents and fires.

This second edition was researched and written by Council staff men who are specialists in the field covered, then sent to qualified reviewers for comment and analysis. These included members of the Council's Industrial Conference and the manual committee. Members of the committee are William S. Smith, director of safety, Ford Motor Co., Dearborn, Mich.; Edward R. Grannis, manager of engineering department, Royal Indemnity Co., New York, N.Y.; E. T. Lee, director of safety, Eastern Airlines, Inc., Miami, Fla.; Stuart Mansfield, safety director, Western Printing and Lithographing Co., Poughkeepsie, N.Y.; George Nuernberger, safety engineer, A. B. Dick Co., Chicago, Ill., and H. L. Smith, safety engineer, General Electric Co., Fort Wayne, Ind.

Reprints of the various sections of the Manual have been bound in paper and may be purchased separately without buying several complete manuals. Detailed description and price may be obtained by writing the National Safety Council, 425 North Michigan Ave., Chicago 11, Illinois.

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A new 12-page, two-color booklet "Metal Stitching—A New Technique In Fastening", is available from Aeme Steel Company, Chicago. It describes the technique, advantages and limitations of the metal-stitching method of fastening metals to metals and metals to non-metals with high-tensile-strength wire stitches.

—
A. S. T. M. Spring Meeting and Committee Week for 1952 will be held at the Hotel Statler, Cleveland, Ohio, March 3 to 7, inclusive.

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BOOK LIST

The Asbestos Factbook, 16 pages: Information in compact form on origin, facts, locations, uses of analyses, qualities. 1c per copy.

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos, 25c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy.

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textile for cotton content. 1c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each.

Brake Linings of Various Types. By R. T. Halstead. Reprint (12 pages) from August, September and October 1949 "ASBESTOS." Price 25c per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished products, in plain language, illustrated. 25c a copy.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. \$1.00 per set.

Manual of Unit Prices. For figuring pipe covering and blocks. 75c per single copy postpaid. Discount in quantities of 6 or more, postage billed.

Order any of the above from "ASBESTOS", 808 Western Saving Fund Bldg., Philadelphia 7, Pa. Payment should accompany order.

The Geological Society of America, Cordilleran Section, will hold its 48th Annual Convention in Tucson, Arizona on April 11th and 12th, 1952.

At the convention there will be an exhibit of technical developments in the various mineral fields represented. There is no charge for exhibit space but of course, exhibitors will want to handle the maintenance of their displays. Further information can be obtained from L. Kenneth Wilson, Chief Geologist, Southwestern Division, American Smelting & Refining Company, 813 Valley National Bldg., Tucson, Arizona.

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AFTERTHOUGHTS

¶ In this issue we give a biography of Rudolf Wild which reminds us: when Mr. Wild was with the United States Asbestos Company, he stopped in the office of C. J. Stover in company with Mr. Cilley of that firm. Mr. Stover's secretary (now the Editor) was quite startled and much amused when told to announce the arrival of Messrs. Wild and Cilley.

¶ We are told that Walter L. Steffens, Vice President of the Philip Carey Company, who retired on December 31st, 1951, is in ill health and letters from some of his many friends in the Asbestos Industry would be very much appreciated by him.

¶ We recommend for your reading the article beginning on page 14 "The South African Asbestos Situation" Mr. Kempthorne knows whereof he speaks.

¶ Those of our readers who are gasket-minded (in other words who are familiar with all kinds of gaskets) may know but others will be interested to learn that one of the manufacturers of gaskets recently received an order for gold gaskets. The use to which the gaskets were to be put made it necessary to use either gold or platinum but gold was chosen because it was less expensive. Many other metals are used in the making of gaskets, sometimes combined with asbestos, sometimes not.

¶ Somewhat new in describing Asbestos Cement products is *peckproof*.

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